

EXPERIMENTAL CELL RESEARCH

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Eighth Sigrid Juselius Foundation Symposium, Helsinki, Finland, June 1980

Expression of Eukaryotic Viral and Cellular Genes

edited by Ralf F. Petterson, Leevi Kaariainen, Hans Soderlund and Nils Oker-Blom

August/September 1981, xii + 324pp., £20.40 (UK only) / \$ 49.00, 0.12.553120.6

Expression of Eukaryotic Viral and Cellular Genes stresses the importance of recombinant DNA techniques and the use of animal viruses as excellent models for studying the structure and expression of genes. Indeed, much of the current knowledge in certain areas of molecular biology comes from experiments carried out with viruses. It contains recent important papers by some of the most prominent molecular biologists in the world.

Proceedings of a Conference held 1–3 September 1980 in Grignon, France

Liposomes, Drugs and Immuno-competent Cell Functions

edited by Claude Nicolau and Alain Paraf

August/September 1981, xiv + 194pp., £14.00 (UK only) / \$ 34.00, 0.12.518660.6

The book presents new results in the study of liposomes, some of their physico-chemical properties, their capacity to function as drug carriers *in vitro* and *in vivo*, carriers of genetic material. Advances in the design of liposomes appropriate for particular applications are reported as well as results concerning their latency and clearance *in vivo* and their possible targeting.

Genetic Engineering 2

edited by Robert Williamson

July/August 1981, xii + 204pp., £9.80 (UK only) / \$24.00 (Paper), 0.12.270302.2

Contents

A. J. Jeffreys: Recent studies of gene evolution using recombinant DNA. H. H. Dahl, R. A. Flavell and F. G. Grosveld: The use of genomic libraries for the isolation and study of eukaryotic genes. A. D. B. Malcolm: The use of restriction enzymes in genetic engineering. J. D. Beggs: Gene cloning in yeast.

Biological Techniques Series

Microelectrode Methods for Intracellular Recording and Ionphoresis

R.D. Purves

May 1981, x + 146pp., £9.80 (UK only) / \$ 24.00, 0.12.567950.5

This book deals with the use of glass microelectrodes for measurement of cellular potentials and micro-application of drugs. The newcomer will find a wealth of practical advice on the choice of apparatus, making and filling electrodes, impalement of cells, and prevention of electrical or mechanical interference.

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Interferon 2, 1980

Editor-in-Chief: Ion Gresser

Board of Editors: Kari Cantell, Edward de Maeyer, Maurice Landy, Michel Revel and Jan Vilcek
December 1980, xii + 100pp., £6.80 (UK only) / \$16.00, 0.12.302251.7

Contents — *Ernest Knight, Jr.*: Purification and characterization of interferons. *Joyce Taylor-Papadimitriou*: Effects of interferons on cell growth and function. *Derek C. Burke*: The type I human interferon gene system; chromosomal location and control of gene expression. *N.B. Finter and K.H. Fantes*: The purity and safety of interferons prepared for clinical use: the case for lymphoblastoid interferon. *Stanley Cohen and Pierluigi E. Bigazzi*: Lymphokines, cytokines and interferon(s). Interferon Nomenclature: report from the Committee on Interferon Nomenclature.

Conception in the Human Female

Robert G. Edwards

October 1980, xvi + 1088pp., £48.50 (UK only)/\$112.00, 0.12.232450.1

Dr Robert Edwards is well known throughout the world for his part in achieving an *in vitro* fertilization leading to the birth of the first 'test-tube baby'. Here he presents a comprehensive and advanced analysis of the events leading to conception in the human female. There are fourteen chapters, profusely referenced and illustrated, dealing with sexual differentiation, the brain and pituitary gland in reproductive functions, the ovary and female reproductive tract, sexuality and coitus, fertilization, embryonic growth, implantation, immunology of early pregnancy, embryonic growth to the first missed period, the menopause, and legal and ethical issues in human reproduction.

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